Accepted Manuscript

Title: Hybrid optothermal and acoustic manipulations of microbubbles for precise and on-demand handling of micro-objects

Authors: Jae Hun Shin, Jeonghwa Seo, Jiwoo Hong, Sang Kug

Chung

PII: S0925-4005(17)30269-1

DOI: http://dx.doi.org/doi:10.1016/j.snb.2017.02.049

Reference: SNB 21780

To appear in: Sensors and Actuators B

Received date: 12-12-2016 Revised date: 3-2-2017 Accepted date: 9-2-2017

Please cite this article as: Jae Hun Shin, Jeonghwa Seo, Jiwoo Hong, Sang Kug Chung, Hybrid optothermal and acoustic manipulations of microbubbles for precise and on-demand handling of micro-objects, Sensors and Actuators B: Chemical http://dx.doi.org/10.1016/j.snb.2017.02.049

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Hybrid optothermal and acoustic manipulations of microbubbles

for precise and on-demand handling of micro-objects

Jae Hun Shin^{†1}, Jeonghwa Seo^{†1}, Jiwoo Hong^{2*}, Sang Kug Chung^{1*}

¹Department of Mechanical Engineering, Myongji University, Yongin, Gyeonggido, South Korea

²Department of Mechanical Engineering, Pohang University of Science and Technology

(POSTECH), San 31, Hyoja-dong, Pohang 790-784, South Korea

Co-corresponding Authors

*Phone: +82-31-330-6346. Fax: +82-31-330-6957. E-mail: skchung@mju.ac.kr.

*Phone: +82-54-279-8201. Fax: +82-54-279-5899. E-mail: hjw1425@postech.ac.kr.

†These authors contributed equally to this work.

Download English Version:

https://daneshyari.com/en/article/5009804

Download Persian Version:

https://daneshyari.com/article/5009804

<u>Daneshyari.com</u>